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35 Oil and Gas Statistics

November 1977



Ontario

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OIL AND GAS STATISTICS

NOVEMBER 1977

MINISTRY OF ENERGY

Statistical
Detailed Canadian Oil Production
Information, Crude and Other Oil Supplies

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MINISTRY OF ENERGY

Statistical
Detailed Canadian Oil
Information
Crude and Other Oil Supplies

Statistical
Information, Crude and Other Oil Supplies
for November 1977
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OIL AND GAS STATISTICS

NOVEMBER 1977

TABLE OF CONTENTS

	<u>Page</u>
PETROLEUM IN ONTARIO	
Summary	1
Ontario Crude Oil Production	2
Western Canada Crude and Other Oil Supplies	2
Tables:	
Crude Oil Production in Ontario	2
Oil in Ontario	3
 NATURAL GAS IN ONTARIO	
Summary	4
Ontario Production	4
Storage	4
Transmission	4
Imports and Exports	7
Sales to Consumers	7
Tables:	
Comparative Receipts and Disposition:	
First Nine Months, 1977	5
Comparative Receipts and Disposition:	
Third Quarter 1977 by months	6
Percentage Changes in Monthly Sales:	
Third Quarter 1977	7
Consumers & Sales by Categories:	
First Nine Months 1977	8

PETROLEUM IN ONTARIO

Summary

In the first seven months of 1977, consumption of oil increased 4 percent over the level for the corresponding period of 1976.

Production from Ontario oil fields remained similar to the corresponding period 1976. Deliveries from western Canada were slightly lower than 1976 levels. Imports of U.S. domestic crude oil, in exchange for western Canadian crude supplied to refineries in the U.S.A., averaged 47,000 bpd.

Refinery production and net interprovincial products transfers were both up. Product imports increased and exports decreased.

Ontario Crude Oil Production

In the third quarter, Ontario crude oil production increased by nearly 5 percent from 1976 levels. This increase more than offset the drop of the first six months. Ontario production contributed less than one half of one percent of provincial demand.

CRUDE OIL PRODUCTION IN ONTARIO

Comparative Totals in Barrels, Third Quarter
and First Nine Months 1977

(Preliminary)

In Barrels

Period	Production 1977	Production 1976	Percent Changes 1977/76	Percent Changes 1976/75
July	61,683	59,448	3.8	-9.1
August	55,282	54,630	1.2	-1.6
September	54,911	50,164	9.5	-0.3
Totals - third quarter	171,876	164,242	4.7	-4.1
Totals - first six months	307,757	313,045	-1.7	-15.1
Totals - first nine months	479,633	477,287	0.5	-11.6

Western Canada Crude Oil and Other Supplies

Receipts of western Canada oil averaged about 452,000 barrels per day (bpd) in the first seven months, a drop of 1 percent from 1976 levels. Alberta deliveries accounting for 80 percent of total western crude receipts decreased by about 3 percent. Deliveries from Saskatchewan and Manitoba increased.

In the first seven months, imports of U.S. domestic crude oil averaged about 47,000 bpd. These imports were received in exchange for equal deliveries of western Canadian crude oil to U.S. refineries.

Oil in Ontario ⁽¹⁾

Comparative Receipts and Disposition
January to July 1977

<u>Supply</u>	Quantities in Thousands of Barrels	Percent Changes		
		Total	1977/76	1976/75
Crude oil:				
Ontario production	369	0.3	-0.8	14.2
From Western provinces ⁽²⁾	94,949	72.7	-1.1	1.0
Imports from U.S.A. ⁽³⁾	9,903	7.6	100.0	Ø
Net transfers and other materials	1,518	1.2	Ø	Ø
Total run to stills	106,739	81.8	9.2	2.5
Products:				
Transfers from other provinces	20,244	15.5	7.2	-18.9
Imports	1,664	1.3	36.8	- 7.2
Other receipts	1,908	1.4	-55.5	-28.0
Total product receipts	23,816	18.2	- 2.3	-20.2
Total Supply	130,555	100.0	6.9	- 3.0
Disposition of products				
Consumption:				
Sales	113,992	87.3	3.5	2.7
Company use	7,318	5.6	12.1	9.6
Total consumption	121,310	92.9	4.0	3.1
Other:				
Transfers to other provinces	2,265	1.7	-27.5	28.0
Exports	4,986	3.8	- 8.2	-23.3
Inventory changes	3,458	2.7	Ø	Ø
Losses	-1,464	-1.1	Ø	Ø
Total other disposition	9,245	7.1	70.1	-57.1
Total disposition	130,555	100.0	6.9	- 3.0

(1) Based on Statistics Canada 45-004.

(2) Crude oil, condensate and pentanes plus, comingled propane and butane mixes.

(3) U.S.A. domestic crude oil in exchange for equal deliveries of western Canada crude to refineries in the U.S.A.

Natural Gas in Ontario

Summary

Consumption of natural gas in Ontario in the first nine months of 1977 increased 1 percent over the corresponding period 1976.

Deliveries of gas from western Canada were up 3 percent. Withdrawals from and injections into storage were considerably higher. No imports from U.S.A. were recorded; exports to U.S.A. rose. Production from Ontario natural gas fields increased.

Ontario Production

In the third quarter of 1977, Ontario natural gas production more than doubled the level of 1976; Lake Erie production which accounted for nearly 60 percent of total production increased by 200%. For the first nine months, total production increased by more than 30 percent over 1976 levels.

Gas Storage

Withdrawals of natural gas from storage pools during the third quarter decreased over 6 percent from 1976 levels. The major withdrawals occurred in July. In the first nine months, withdrawals were 33 percent higher than the 1976 levels.

Injections into storage increased 25 percent in the third quarter. For the first nine months, injections were up 34 percent over 1976 levels. By the end of September, the balance of gas held in storage totalled about 143 billion cubic feet similar to the quantity in storage at that time in 1976.

Transmission

In the third quarter of 1977, receipts of natural gas from western Canada were 7 percent higher than 1976 levels. For the first nine months, deliveries were up 3 percent.

Natural Gas in Ontario

Comparative Receipts & Disposition

First Nine Months 1977
(Preliminary)

In Thousands Cubic Feet

	1977	1976	<u>Percent Changes</u>	
			1977/76	1976/75
<u>RECEIPTS</u>				
Produced	5,347,341	4,065,461	31.5	-53.8
Withdrawn from Storage	90,698,454	68,361,086	32.7	-5.9
From Western Canada	538,805,800	523,083,839	3.0	0.7
Imports from U.S.A.	-	3,667,715	-100.0	-55.9
Total Receipts	<u>634,851,595</u>	<u>599,178,101</u>	<u>6.0</u>	<u>-1.6</u>
<u>DISPOSITION</u>				
Sales to Customers	488,943,983	484,649,315	0.9	2.1
Injected into Storage	130,726,394	97,448,363	34.2	-16.2
Exports to U.S.A.	11,108,749	9,369,244	18.6	3.8
Line Pack	8,752	-81,120	Ø	Ø
Used in Operation	16,642,373	14,468,595	15.0	1.0
Metering & Other Unaccounted	<u>-12,578,656</u>	<u>-6,676,296</u>	<u>Ø</u>	<u>Ø</u>
Total Disposition	<u>634,851,595</u>	<u>599,178,101</u>	<u>6.0</u>	<u>-1.6</u>

Consumption of gas in transmission and distribution activities during the third quarter remained similar to the 1976 levels. However, a 15 percent rise over 1976 was shown for the first nine months.

Imports and Exports

No imports of natural gas from the U.S.A. occurred during the first nine months of 1977.

In the third quarter, gas exported through Ontario to the U.S.A. increased 1 percent over 1976 levels. Over the first nine months, exports through the Rainy River region of northwestern Ontario, (over 40 percent of total exports), decreased. Deliveries into New York state increased by more than 50 percent because of the extra deliveries in February - March during the extremely cold weather.

Sales

In the first nine months, natural gas sales increased less than 1 percent over the 1976 levels. Of the total sales of 489 billion cubic feet, residential sales (accounting for 20 percent) increased nearly 3 percent; commercial sales (23 percent of the total) rose 4 percent; and industrial sales (57 percent of the total) decreased slightly.

Percentage Changes in Monthly Sales by Customer Categories During Third Quarter Over Previous Year

<u>Month</u>	<u>Residential</u>		<u>Commercial</u>		<u>Industrial</u>		<u>Total</u>	
	<u>1977</u>	<u>1976</u>	<u>1977</u>	<u>1976</u>	<u>1977</u>	<u>1976</u>	<u>1977</u>	<u>1976</u>
July	2.2	7.6	0.8	3.9	3.8	-4.3	3.3	-2.5
August	-2.6	8.4	5.1	-2.9	4.2	0.5	3.7	0.7
September	-4.0	-3.5	8.1	-14.4	-3.0	2.3	-1.7	-0.7

NATURAL GAS IN ONTARIO

CONSUMERS AND SALES BY CATEGORIES

First Nine Months 1977

(Preliminary)

In Thousands Cubic Feet

<u>Category</u>	1977		1976	
	<u>Number of Consumers</u>	<u>Quantities</u>	<u>Number of Consumers</u>	<u>Quantities</u>
Residential	958,002	97,885,366	923,468	95,307,351
Commercial	100,239	111,437,575	96,192	107,274,652
Industrial	11,081	279,621,042	11,120	282,067,312
Totals	1,069,322	488,943,983	1,030,780	484,649,315

Percent Changes

	1977/76		1976/75	
	<u>Customers</u>	<u>Quantities</u>	<u>Customers</u>	<u>Quantities</u>
Residential	3.7	2.7	3.6	5.1
Commercial	4.2	3.9	4.3	3.4
Industrial	-0.4	-0.9	4.0	0.6
Totals	3.7	0.9	3.7	2.1

